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PATENT

Case Docket No. IMEC282.001AUS

Date: July 8, 2004

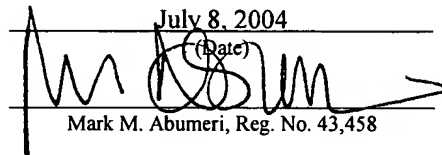
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : Bourdoux, et al.
Appl. No. : 10/645,858
Filed : August 20, 2003
For : METHOD AND APPARATUS
FOR MULTI-USER MULTI-
INPUT MULTI-OUTPUT
TRANSMISSION
Examiner : Unassigned
Group Art Unit : 2661

I hereby certify that this correspondence and all marked attachments are being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on

July 8, 2004

(Date)



Mark M. Abumeri, Reg. No. 43,458

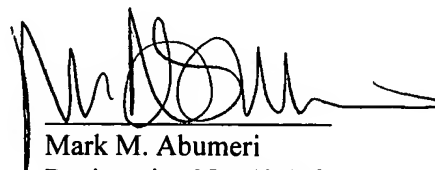
TRANSMITTAL LETTER

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application are:

- (X) An Information Disclosure Statement.
- (X) A PTO Form 1449 with two (2) references.
- (X) The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment, to Account No. 11-1410.
- (X) Return prepaid postcard.



Mark M. Abumeri
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INFORMATION DISCLOSURE STATEMENT

Applicant(s) : Bourdoux, et al.

Appl. No. : 10/645,858

Filed : August 20, 2003

For : METHOD AND APPARATUS FOR
MULTI-USER MULTI-INPUT MULTI-
OUTPUT TRANSMISSION

Examiner : Unassigned

Group Art Unit : 2661

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Enclosed is form PTO-1449 listing two (2) references that are also enclosed.

This Information Disclosure Statement is being filed before the receipt of a first Office Action on the merits, and presumably no fee is required in accordance with 37 C.F.R. § 1.97(b)(3). If a first Office Action on the merits was mailed before the mailing date of this Statement, the Commissioner is authorized to charge the fee set forth in 37 C.F.R. § 1.17(p) to Deposit Account No. 11-1410.

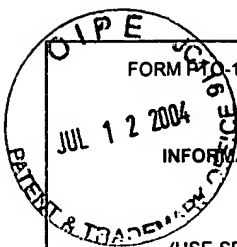
Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: July 8, 2004

By: 

Mark M. Abumeri
Registration No. 43,458
Attorney of Record
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 <p>FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(USE SEVERAL SHEETS IF NECESSARY)</p>	ATTY. DOCKET NO. IMEC282.001AUS	APPLICATION NO. 10/645,858
	APPLICANT Bourdoux, et al.	
	FILING DATE August 20, 2003	GROUP 2661

EXAMINER INITIAL	OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)	
	1	Sampath, et al., "Generalized linear precoder and decoder design for MIMO channels using the weighted MMSE criterion", IEEE Transactions on Communications, vol. 49, no. 12, 2198-2206 (December 2001).
	2	Sampath, et al., "Joint transmit and receive optimization for high data rate wireless communication using multiple antennas", IEEE, pp. 215-219, (1999)

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EXAMINER	DATE CONSIDERED
<p>*EXAMINER: INITIAL IF CITATION CONSIDERED, WHETHER OR NOT CITATION IS IN CONFORMANCE WITH MPEP 609; DRAW LINE THROUGH CITATION IF NOT IN CONFORMANCE AND NOT CONSIDERED, INCLUDE COPY OF THIS FORM WITH NEXT COMMUNICATION TO APPLICANT.</p>	